Application Environment Management for Parallel Testing

Simplifying the creation of test data

Studies report that up to 40% of new systems development costs are allocated to testing. While carrying out the tests, nothing about it is storeaged with the business. A simple upgrade involves the reconstruction of the tests, with all the costs involved.

COSTS CONVERTED INTO ASSETS:

Eccox Application Environment Management for Parallel Testing solution automates test processes, allows the reprocessing of a given test, enabling a view of the results, and enables the creation of isolated scenarios for DB2 batch, VSAM CICS, DB2 CICS and DB2 IMS tests. Through the system components to be tested it allows the user to obtain his own isolated test track with clone components and test masses that meet the needs of the test.

Its goal is to standa rdize and facilitate the programs of testing processes and systems, making the collection of test plans in a company's assets to be reused when needed.

TESTS ARE DIRECTLY LINKED TO QUALITY, RELIABILITY AND SECURITY SYSTEMS

Application Environment Management for Parallel Testing

Parallel Testing by isolating components in the LPAR on the same z / OS thru optimized cloning of components (only what you need for testing).

Referential integrity of the cloned databases and databases in the LPAR plans, automates and certify the integration of testing and its automated reapplication (concept: create-use-rerun).

Control over what was tested or not.

Easier to perform regression testing.

Allows improvements in performance and availability.

Eccox Data Generation

Data Control Process

Copy and create files DB2, VSAM and Sequential.

Copy and creation of related objects among DB2 databases, VSAM and Sequential.

Referential integrity of DB2 database extraction.

Selective data reduction.

Maintaining referential integrity between databases.

Replaces sensitive values formulated algorithms using data encryption keys.

Data Masking.

Data Aging.

Data Replacement.

Software testing tools:

Parallel Testing does not simulate the mainframe components testing on other platforms, but performs the actual test on each component, isolating these when requested by the user, allowing parallelism of tests in the systems without conflict, such as executable modules, DB2 tables, files and JCL mainframe environment. An application that really comes from the distributed platform access the mainframe environment and perform processes and access to data in real systems.

Eventually, these components will be accessed clones of the original components, and processes running under CICS, IMS and DB2 are real, not simulated.

ECCOX PARALLEL TESTING – Maximize productivity and efficiency in the areas of systems development and approval.
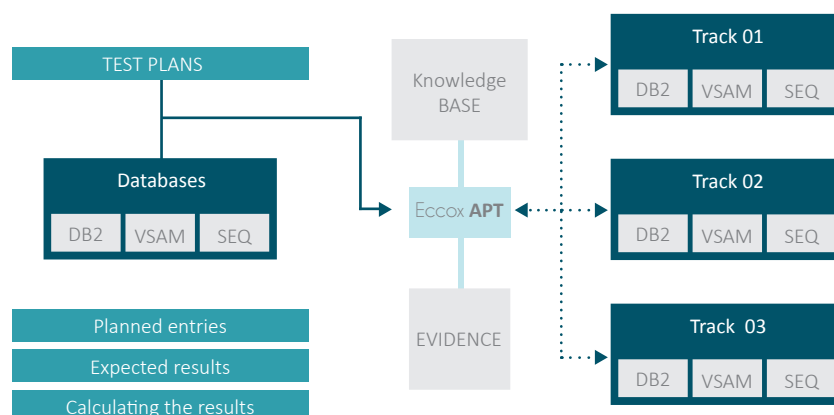
Key Features:

Minimizes efforts to generate test conditions for applications;

Retains the intelligence applied in the generation of test conditions for applications;

Transforms application tests into an asset;

Avoids the return of "old errors" due to maintenance of applications;

Parallel tests through isolation in the same LPAR in a z/OS environment withoutinterference;

Optimized cloning of components (only what is required for the test);

Referential integrity of cloned databases and databases of the environment;

Plans, automates and certifies the integration of the tests and their automated reapplication (concept: creates-uses-re-executes) through isolated environments – END-TO-END management.

Reduced Time-to-Market;

Greater uniformity of tests;

Greater agility in program maintenance;

Greater control over what was tested and what was not;

Greater facility for conducting regression tests, preventing resolved errors from returning;

Indirectly, from the establishment of test practices, it enables improvements in performance and availability.

TEST TRACKS UNDER CONTROL

ECCOX APT PROVIDES:

- Less *time to market;*
- Greater availability of services;
- Savings through less rework;
- Costs transformed into assets.

TEST PLANS

Knowledge BASE

Track 01
DB2 | VSAM | SEQ

Databases
DB2 | VSAM | SEQ

Eccox APT

Track 02
DB2 | VSAM | SEQ

Planned entries

Expected results

Calculating the results

EVIDENCE

Track 03
DB2 | VSAM | SEQ

ECCOX
Technology that delivers results.

For further information visit:
www.eccox.com